## **DECISION SCIENCES Journal**

## **VOLUME 22 AUTHOR INDEX**

- Abad, Prakash L. See: Banks, William J., & Abad, Prakash L.
- Agrawal, Surendra P. See: Mehra, Satish, Agrawal, Surendra P., & Rajagopalan, M.
- Alexander, Ralph A. See: Barrick, Murray R., & Alexander, Ralph A.
- Armacost, Robert L., Hosseini, Jamshid C., Morris, Sara A., & Rehbein, Kathleen A. An Empirical Comparison of Direct Questioning, Scenario, and Randomized Response Methods for Obtaining Sensitive Business Information. 22(5), 1073-1090.
- Balachandra, R. See: Nelson, Carl W., & Balachandra, R.
- Banks, William J., & Abad, Prakash L. An Efficient Optimal Solution Algorithm for the Classification Problem. 22(5), 1008-1023.
- Barefield, Russell M. See: Wilson, Beverley M., Shaftel, Timothy L., & Barefield, Russell M.
- Barman, Samir. See: Tersine, Richard J., & Barman, Samir.
- Barrick, Murray R., & Alexander, Ralph A. Assessing the Utility of Stochastic Employee Movements. 22(1), 171-180.
- Bechtold, Stephen E. Optimal Work-Rest Schedules with a Set of Fixed-Duration Rest Periods. 22(1), 157-170.
- Bechtold, Stephen E., Brusco, Michael J., & Showalter, Michael J. A Comparative Evaluation of Labor Tour Scheduling Methods. 22(4), 683-699.
- Benson, Harold P. See: Knechel, W. Robert, & Benson, Harold P.
- Berkley, Blair J., & Kiran, Ali S. A Simulation Study of Sequencing Rules in a Kanban-Controlled Flow Shop. 22(3), 559-582.
- Bernardo, John J., & Gillenwater, Edward. Sequencing Rules for Productivity Improvements in Underground Coal Mining. 22(3), 620-634.
- Bodily, Samuel E. See: Pfeifer, Phillip E., Bodily, Samuel E., & Frey, Sherwood C., Jr.
- Booth, David E. See: Khouja, Moutaz, & Booth, David E.
- Brusco, Michael J. See: Bechtold, Stephen E., Brusco, Michael J., & Showalter, Michael J.
- Bullers, William I., Jr. A Tripartite Approach to Information Systems Development. 22(1), 120-135.
- Burwell, Timothy H. See: Camm, Jeffrey D., & Burwell, Timothy H.
- Burwell, Timothy H., Dave, Dinesh S., Fitzpatrick, Kathy E., & Roy, Melvin R. An Inventory Model with Planned Shortages and Price Dependent Demand. 22(5), 1187-1191.

- Büyükkurt, B. Kemal, & Büyükkurt, Meral Demirbag. An Experimental Study of the Effectiveness of Three Debiasing Techniques. 22(1), 60-73.
- Büyükkurt, Meral Demirbag. See: Büyükkurt, B. Kemal, & Büyükkurt, Meral Demirbag.
- Camm, Jeffrey D., & Burwell, Timothy H. Sensitivity Analysis in Linear Programming Models with Common Inputs. 22(3), 512-518.
- Cheng, C. S. Agnes. A Simple Algorithm for the Mathematical Programming Approach to Joint Cost Allocation for Decision Making (Demand-Adjusted-Sales-Value Algorithm). 22(3), 500-511.
- Chow, Chee W., & Haddad, Kamal M. Relative Performance Evaluation and Risk Taking in Delegated Investment Decisions. 22(3), 583-593.
- Church, Richard, Current, John, & Storbeck, James. A Bicriterion Maximal Covering Location Formulation Which Considers the Satisfaction of Uncovered Demand. 22(1), 38-52.
- Coleman, B. Jay. See: McKnew, Mark A., Saydam, Cem, & Coleman, B. Jay.
- Coieman, B. Jay, & McKnew, Mark A. An Improved Heuristic for Multilevel Lot Sizing in Material Requirements Planning. 22(1), 136-156.
- Collier, David A. A Service Quality Process Map for Credit Card Processing. 22(2), 406-420.
- Cornette, W. R. See: Swanson, N. E., Cornette, W. R., & Keith, N. K.
- Cronan, Timothy P., Glorfeld, Louis W., & Perry, Larry G. Production System Development for Expert Systems Using a Recursive Partitioning Induction Approach: An Application to Mortgage, Commercial, and Consumer Lending. 22(4), 812-845.
- Current, John. See: Church, Richard, Current, John, & Storbeck, James.
- Dadkhah, Kamran M. A Comment on Second-Order Polynomial Regression Models. 22(1), 213-217.
- Das, Sidhartha R., Zahra, Shaker A., & Warkentin, Merrill E. Integrating the Content and Process of Strategic MIS Planning with Competitive Strategy. 22(5), 953-984.
- Dave, Dinesh S. See: Burwell, Timothy H., Dave, Dinesh S., Fitzpatrick, Kathy E., & Roy, Melvin R.
- Davis, Fred D. See: Kottemann, Jeffrey E., & Davis, Fred D.
- Davis, Mark M. How Long Should A Customer Wait for Service? 22(2), 421-434.

- De, Prabuddha, Ghosh, Jay B., Wells, Charles, E. Optimal Delivery Time Quotation and Order Sequencing, 22(2), 379-390.
- Desai, Anand, & Walters, Lawrence C. Graphical Presentations of Data Envelopment Analyses: Management Implications from Parallel Axes Representations. 22(2), 335-353.
- DeSarbo, Wayne S. See: Havlena, William J., & DeSarbo, Wayne S.
- DeSarbo, Wayne S. See: Steckel, Joel H., DeSarbo, Wayne S., & Mahajan, Vijay.
- Doll, William J. See: Torkzadeh, Gholamreza, & Doll, William J.
- Doll, William J., & Torkzadeh, Gholamreza. A Congruence Construct of User Involvement. 22(2), 443-453.
- Dunbar, Roger L. M. See: Stumpf, Stephen A., & Dunbar, Roger L. M.
- Easton, Fred F., & Rossin, Donald F. Equivalent Alternate Solutions for the Tour Scheduling Problem. 22(5), 985-1007.
- Fitzpatrick, Kathy E. See: Burwell, Timothy H., Dave, Dinesh S., Fitzpatrick, Kathy E., & Roy, Melvin R.
- Fraser, Cynthia, & Ginter, James. A Probabilistic Dealing Strategy. 22(1), 91-103.
- Frey, Sherwood C., Jr. See: Pfeifer, Phillip E., Bodily, Samuel E., & Frey, Sherwood C., Jr.
- Gaimon, Cheryl. See: Roth, Aleda V., Gaimon, Cheryl, & Krajewski, Lee.
- Gershon, Mark. See: Subramanian, Girish H., & Gershon, Mark.
- Ghosh, Jay B. See: De, Prabuddha, Ghosh, Jay B., & Wells, Charles E.
- Gillenwater, Edward. See: Bernardo, John J., & Gillenwater, Edward.
- Ginter, James. See: Fraser, Cynthia, & Ginter, James.
- Glorfeld, Louis W. See: Cronan, Timothy P., Glorfeld, Louis W., & Perry, Larry G.
- Graves, Samuel B., & Ringuest, Jeffrey L. Producer's and Consumer's Risk When Proportion Defective Is a Random Variable. 22(4), 753-771.
- Green, Paul E. See: Helsen, Kristiaan, & Green, Paul E.
- Greenwood, Allen G. Plots of Conditional Wait-Time Intervals Provide Better Information to Queueing System Arrivals. 22(3), 473-483.
- Haddad, Kamal M. See: Chow, Chee W., & Haddad, Kamal M.
- Harmon, Robert R. See: Hosseini, Jamshid C., Harmon, Robert R., & Zwick, Martin.
- Havlena, William J., & DeSarbo, Wayne S. On the Measurement of Perceived Consumer Risk. 22(4), 927-939.
- Hawk, Stephen R., & Raj, Nambury S. Test-Retest Reliability of User Information Satisfaction: A Comment on Galletta and Lederer's Paper. 22(5), 1165-1170.

- Helsen, Kristiaan, & Green, Paul E. A Computational Study of Replicated Clustering with an Application to Market Segmentation. 22(5), 1124-1141.
- Hong, Ilyoo B., & Vogel, Doug R. Data and Model Management in a Generalized MCDM-DSS. 22(1), 1-25.
- Hosseini, Jamshid C. See: Armacost, Robert L., Hosseini, Jamshid C., Morris, Sara A., & Rehbein, Kathleen A.
- Hosseini, Jamshid C., Harmon, Robert R., & Zwick, Martin. An Information Theoretic Framework for Exploratory Multivariate Market Segmentation Research. 22(3), 663-677.
- Howard, Geoffry S., & Mendelow, Aubrey L. Discretionary Use of Computers: An Empirically Derived Explanatory Model. 22(2), 241-265.
- Huang, Philip Y. See: Russell, Roberta S., Huang, Philip Y., & Leu, Yow-yuh.
- Jacobs, F. Robert. See: Loucks, John S., & Jacobs, F. Robert.
- Jauch, Lawrence R. See: Mesak, Hani I., & Jauch, Lawrence R.
- Jessup, Leonard M., & Tansik, David A. Decision Making in an Automated Environment: The Effects of Anonymity and Proximity with a Group Decision Support System. 22(2), 266-279.
- Keith, N. K. See: Swanson, N. E., Cornette, W. R., & Keith, N. K.
- Khouja, Moutaz, & Booth, David E. A Decision Model for the Robot Selection Problem Using Robust Regression. 22(3), 656-662.
- King, William R. See: Sethi, Vijay, & King, William R.
- Kiran, Ali S. See: Berkley, Blair J., & Kiran, Ali S.
- Klein, Cerry M. A Model for the Transportation of Hazardous Waste. 22(5), 1091-1108.
- Knechel, W. Robert, & Benson, Harold P. An Optimization Approach for Scheduling Internal Audits of Divisions. 22(2), 391-405.
- Knowles, Thomas W. See: Pantumsinchai, Pricha, & Knowles, Thomas W.
- Kottemann, Jeffrey E., & Davis, Fred D. Decisional Conflict and User Acceptance of Multicriteria Decision-Making Aids. 22(4), 918-926.
- Krajewski, Lee. See: Roth, Aleda V., Gaimon, Cheryl, & Krajewski, Lee.
- Krajewski, Lee J. See: Russell, Randolph M., & Krajewski, Lee J.
- Lederer, Albert L., & Sethi, Vijay. Critical Dimensions of Strategic Information Systems Planning. 22(1), 104-119.
- Leong, Siew Meng, & Lim, Kian Guan. Extending Financial Portfolio Theory for Product Management. 22(1), 181-193.
- Leu, Yow-yuh. See: Russell, Roberta S., Huang, Philip Y., & Leu, Yow-yuh.

- Li, Cheng, Robinson, E. Powell, Jr., & Mabert, Vincent A. An Evaluation of Tour Scheduling Heuristics with Differences in Employee Productivity and Cost. 22(4), 700-718.
- Lim, Kian Guan. See: Leong, Siew Meng, & Lim, Kian Guan.
- Loucks, John S., & Jacobs, F. Robert. Tour Scheduling and Task Assignment of a Heterogeneous Work Force: A Heuristic Approach. 22(4), 719-738.
- Loy, Stephen L. The Interaction Effects Between General Thinking Skills and an Interactive Graphics-Based DSS to Support Problem Structuring. 22(4), 846-868.
- Mabert, Vicent A. See: Li, Cheng, Robinson, E. Powell, Jr., & Mabert, Vincent A.
- Mahajan, Vijay. See: Steckel, Joel H., DeSarbo, Wayne S., & Mahajan, Vijay.
- Mahmood, Mo Adam, & Soon, Siew Khim. A Comprehensive Model for Measuring the Potential Impact of Information Technology on Organizational Strategic Variables. 22(4), 869-897.
- Martinich, Joseph S. When Restrictive Constraints Are Nonbinding: Illustrations and Implications. 22(1), 53-59.
- Masters, James M. A Note on the Effect of Sudden Obsolescence on the Optimal Lot Size. 22(5), 1180-1186.
- Matta, Khalil F. See: Sinha, Diptendu, & Matta, Khalil F.
- McEwen, Ruth Ann. An Empirical Estimation of the Investor Loss Function Associated with the Use of Analysts' Forecasts of Earnings. 22(3), 678-682.
- McKnew, Mark A. See: Coleman, B. Jay, & McKnew, Mark A.
- McKnew, Mark A., Saydam, Cem, & Coleman, B. Jay. An Efficient Zero-One Formulation of the Multilevel Lot-Sizing Problem. 22(2), 280-295.
- Mehra, Satish, Agrawal, Surendra P., & Rajagopalan, M. Some Comments on the Validity of EOQ Formula under Inflationary Conditions. 22(1), 206-212.
- Mendelow, Aubrey L. See: Howard, Geoffry S., & Mendelow, Aubrey L.
- Mesak, Hani I., & Jauch, Lawrence R. Faculty Performance Evaluation: Modeling to Improve Personnel Decisions. 22(5), 1142-1157.
- Morris, Sara A. See: Armacost, Robert L., Hosseini, Jamshid C., Morris, Sara A., & Rehbein, Kathleen A.
- Nelson, Carl W., & Balachandra, R. Choosing the Right Expert System Building Approach. 22(2), 354-368.
- Pantumsinchai, Pricha, & Knowles, Thomas W. Standard Container Size Discounts and the Single-Period Inventory Problem. 22(3), 612-619.

- Perry, Larry G. See: Cronan, Timothy P., Glorfeld, Louis W., & Perry, Larry G.
- Pfeifer, Phillip E., Bodily, Samuel E., & Frey, Sherwood C., Jr. Pearson-Tukey Three-Point Approximations Versus Monte Carlo Simulation. 22(1), 74-90.
- Pruett, James M. See: Schartner, Andreas, & Pruett, James M.
- Ragsdale, Cliff T., & Stam, Antonie. Mathematical Programming Formulations for the Discriminant Problem: An Old Dog Does New Tricks. 22(2), 296-307.
- Raj, Nambury S. See: Hawk, Stephen R., & Raj, Nambury S.
- Rajagopalan, M. See: Mehra, Satish, Agrawal, Surendra P., & Rajagopalan, M.
- Rehbein, Kathleen A. See: Armacost, Robert L., Hosseini, Jamshid C., Morris, Sara A., & Rehbein, Kathleen A.
- Ringuest, Jeffrey L. See: Graves, Samuel B., & Ringuest, Jeffrey L.
- Robinson, E. Powell., Jr. See: Li, Cheng, Robinson, E. Powell, Jr. & Mabert, Vincent A.
- Rogers, David F., & Tsubakitani, Shigeru. Inventory Positioning/Partitioning for Backorders Optimization for a Class of Multi-Echelon Inventory Problems. 22(3), 536-558.
- Rossin, Donald F. See: Easton, Fred F., & Rossin, Donald F.
- Roth, Aleda V., Gaimon, Cheryl, & Krajewski, Lee. Optimal Acquisition of FMS Technology Subject to Technological Progress. 22(2), 308-334.
- Roy, Melvin R. See: Burwell, Timothy H., Dave, Dinesh S., Fitzpatrick, Kathy E., & Roy, Melvin R.
- Rubin, Paul A. Separation Failure in Linear Programming Discriminant Models. 22(3), 519-535
- Russell, Randolph M., & Krajewski, Lee J. Optimal Purchase and Transportation Cost Lot Sizing for a Single Item. 22(4), 940-952.
- Russell, Roberta S., Huang, Philip Y., & Leu, Yow-yuh. A Study of Labor Allocation Strategies in Cellular Manufacturing. 22(3), 594-611.
- Saydam, Cem. See: McKnew, Mark A., Saydam, Cem, & Coleman, B. Jay.
- Schartner, Andreas, & Pruett, James M. Interactive Job Shop Scheduling: An Experiment. 22(5), 1024-1046.
- Schenkerman, Stan. Use and Abuse of Weights in Multiple Objective Decision Support Models. 22(2), 369-378.
- Sethi, Vijay. See: Lederer, Albert L., & Sethi, Vijay.
- Sethi, Vijay, & King, William R. Construct Measurement in Information Systems Research: An Illustration in Strategic Systems. 22(3), 455-472.

- Shaftel, Timothy L. See: Wilson, Beverley M., Shaftel, Timothy L., & Barefield, Russell M.
- Showalter, Michael J. See: Bechtold, Stephen E., Brusco, Michael J., & Showalter, Michael J.
- Singer, E. Mendel. See: Wilson, John G., & Singer, E. Mendel
- Sinha, Diptendu, & Matta, Khalil F. Multiechelon (R.S) Inventory Model. 22(3), 484-499.
- Soltysik, Robert C. See: Yarnold, Paul R., & Soltysik, Robert C.
- Soltysik, Robert C. See: Yarnold, Paul R., & Soltysik, Robert C.
- Soon, Siew Khim. See: Mahmood, Mo Adam, & Soon, Siew Khim.
- Stam, Antonie. See: Ragsdale, Cliff T., & Stam,
- Steckel, Joel H., DeSarbo, Wayne S., & Mahajan, Vijay. On the Creation of Acceptable Conjoint Analysis Experimental Designs. 22(2), 435-442.
- Storbeck, James. See: Church, Richard, Current, John, & Storbeck, James.
- Stumpf, Stephen A., & Dunbar, Roger L. M. The Effects of Personality Type on Choices Made in Strategic Decision Situations. 22(5), 1042-1072
- Subramanian, Girish H., & Gershon, Mark. The Selection of Computer-Aided Software Engineering Tools: A Multi-Criteria Decision Making Approach. 22(5), 1109-1123.
- Suresh, Nallan C. Partitioning Work Centers for Group Technology: Insights from an Analytical Model. 22(4), 772-791.
- Swanson, N. E., Cornette, W. R., & Keith, N. K. Dogmatism and Systems Development Personnel Performance. 22(4), 911-917.
- Tansik, David A. See: Jessup, Leonard M., & Tansik, David A.
- Te'eni, Dov. Feedback in DSS as a Source of Control: Experiments with the Timing of Feedback. 22(3), 644-655.
- Tersine, Richard J., & Barman, Samir. Economic Inventory/Transport Lot Sizing with Quantity and Freight Rate Discounts. 22(5), 1171-1179.

- Torkzadeh, Gholamreza. See: Doll, William J., & Torkzadeh, Gholamreza.
- Torkzadeh, Gholamreza, & Doll, William J. Test-Retest Reliability of the End-User Computing Satisfaction Instrument. 22(1), 26-37.
- Tsubakitani, Shigeru. See: Rogers, David F., & Tsubakitani, Shigeru.
- Vessey, Iris. Cognitive Fit: A Theory-Based Analysis of the Graphs Versus Tables Literature. 22(2), 219-240.
- Vickery, Shawnee K. A Theory of Production Competence Revisited. 22(3), 635-643.
- Vogel, Doug R. See: Hong, Ilyoo B., & Vogel, Doug R.
- Walters, Lawrence C. See: Desai, Anand, & Walters, Lawrence C.
- Warkentin, Merrill E. See: Das, Sidhartha R., Zahra, Shaker A., & Warkentin, Merrill E.
- Wells, Charles E. See: De, Prabuddha, Ghosh, Jay B., & Wells, Charles, E.
- Wilson, Beverley M., Shaftel, Timothy L., & Barefield, Russell M. A Mathematical Programming Approach to Production Decisions in the Emerging Aquaculture Industry. 22(1), 194-205.
- Wilson, John G., & Singer, E. Mendel. Modelling Survey Response Data and Determining the Optimal Number of Questionnaires. 22(4), 898-910.
- Wondolowski, Frank R., Jr. A Generalization of Wendell's Tolerance Approach to Sensitivity Analysis in Linear Programming. 22(4), 792-811.
- Yarnold, Paul R., & Soltysik, Robert C. Refining Two-Group Multivariable Classification Models Using Univariate Optimal Discriminant Analysis. 22(5), 1158-1164.
- Yarnold, Paul R., & Soltysik, Robert C. Theoretical Distributions of Optima for Univariate Discrimination of Random Data. 22(4), 739-752.
- Zahra, Shaker A. See: Das, Sidhartha R., Zahra, Shaker A., & Warkentin, Merrill E.
- Zwick, Martin. See: Hosseini, Jamshid C., Harmon, Robert R., & Zwick, Martin.

## **VOLUME 22 TITLE INDEX**

- Assessing the Utility of Stochastic Employee Movements. Barrick, Murray, R., & Alexander, Ralph A., 22(1), 171-181.
- A Bicriterion Maximal Covering Location Formulation Which Considers the Satisfaction of Uncovered Demand. Church, Richard, Current, John, & Storbeck, James, 22(1), 38-52.
- Choosing the Right Expert System Building Approach. Nelson, Carl W., & Balachandra, R., 22(2), 354-368.
- Cognitive Fit: A Theory-Based Analysis of the Graphs Versus Tables Literature. Vessey, Iris, 22(2), 219-240.
- A Comment on Second-Order Polynomial Regression Models. Dadkhah, Kamran M., 22(1), 213-217.
- A Comparative Evaluation of Labor Tour Scheduling Methods. Bechtold, Stephen E., Brusco, Michael J., & Showalter, Michael J., 22(4), 683-699.
- A Comprehensive Model for Measuring the Potential Impact of Information Technology on Organizational Strategic Variables. Mahmood, Mo Adam, & Soon, Siew Khim, 22(4), 869-807.
- A Computational Study of Replicated Clustering with an Application to Market Segmentation. Helsen, Kristiaan, & Green, Paul E. 22(5), 1124-1141.
- A Congruence Construct of User Involvement.

  Doll, William J., & Torkzadeh, Gholamreza, 22(2), 443-453.
- Construct Measurement in Information Systems Research: An Illustration in Strategic Systems. Sethi, Vijay, & King, William R., 22(3), 455-472.
- Critical Dimensions of Strategic Information Systems Planning. Lederer, Albert L., & Sethi, Vijay, 22(1), 104-119.
- Data and Model Management in a Generalized MCDM-DSS. Hong, Ilyoo B., & Vogel, Doug R., 22(1), 1-25.
- Decisional Conflict and User Acceptance of Multicriteria Decision-Making Aids. Kottemann, Jeffrey E., & Davis, Fred D., 22(4), 918-926.
- Decision Making in an Automated Environment: The Effects of Anonymity and Proximity with a Group Decision Support System. Jessup, Leonard M., & Tansik, David A., 22(2), 266-279.
- A Decision Model for the Robot Selection Problem Using Robust Regression. Khouja, Moutaz, & Booth, David E., 22(3), 656-662.
- Discretionary Use of Computers: An Empirically Derived Explanatory Model. Howard, Geoffry S., & Mendelow, Aubrey L., 22(2), 241-265.

- Dogmatism and Systems Development Personnel Performance. Swanson, N. E., Cornette, W. R., & Keith, N. K., 22(4), 911-917.
- Economic Inventory/Transport Lot Sizing with Quantity and Freight Rate Discounts. Tersine, Richard J., & Barman, Samir. 22(5), 1171-1179.
- The Effects of Personality Type on Choices Made in Strategic Decision Situations. Stumpf, Stephen A., & Dunbar, Roger L. M. 22(5), 1047-1072.
- An Efficient Optimal Solution Algorithm for the Classification Problem. Banks, William J., & Abad, Prakash L. 22(5), 1008-1023.
- An Efficient Zero-One Formulation of the Multilevel Lot-Sizing Problem. McKnew, Mark A., Saydam, Cem, & Coleman, B. Jay, 22(2), 280-295.
- An Empirical Comparison of Direct Questioning, Scenario, and Randomized Response Methods for Obtaining Sensitive Business Information. Armacost, Robert L., Hosseini, Jamshid C., Morris, Sara A., & Rehbein, Kathleen A. 22(5), 1073-1090.
- An Empirical Estimation of the Investor Loss Function Associated with the Use of Analysts' Forecasts of Earnings. McEwen, Ruth Ann, 22(3), 678-682.
- Equivalent Alternate Solutions for the Tour Scheduling Problem. Easton, Fred F., & Rossin, Donald F. 22(5), 985-1107.
- An Experimental Study of the Effectiveness of Three Debiasing Techniques. Büyükkurt, B. Kemal, & Büyükkurt, Meral Demirbag, 22(1), 60-73.
- Extending Financial Portfolio Theory for Product Management. Leong, Siew Meng, & Lim, Kian Guan, 22(1), 181-193.
- An Evaluation of Tour Scheduling Heuristics with Differences in Employee Productivity and Cost. Li, Cheng, Robinson, E. Powell, Jr., & Mabert, Vincent A., 22(4), 700-718.
- Faculty Performance Evaluation: Modeling to Improve Personnel Decisions. Mesak, Hani I., & Jauch, Lawrence R. 22(5), 1142-1157.
- Feedback in DSS as a Source of Control: Experiments with the Timing of Feedback. Te'eni, Dov, 22(3), 644-655.
- A Generalization of Wendell's Tolerance Approach to Sensitivity Analysis in Linear Programming. Wondolowski, Frank R., Jr. 22(4), 792-811.
- Graphical Presentations of Data Envelopment Analyses: Management Implications from Parallel Axes Representations. Desai, Anand, & Walters, Lawrence C., 22(2), 335-353.

- How Long Should a Customer Wait for Service? Davis, Mark M., 22(2), 421-434.
- An Improved Heuristic for Multilevel Lot Sizing in Material Requirements Planning. Coleman, B. Jay, & McKnew, Mark A., 22(1), 136-156.
- An Information Theoretic Framework for Exploratory Multivariate Market Segmentation Research. Hosseini, Jamshid C., Harmon, Robert R., & Zwick, Martin, 22(3), 663-677.
- Integrating the Content and Process of Strategic MIS Planning with Competitive Strategy.

  Das, Sidhartha R., Zahra, Shaker A., & Warkentin, Merrill E. 22(5), 953-984.
- The Interaction Effects Between General Thinking Skills and an Interactive Graphics-Based DSS to Support Problem Structuring. Loy, Stephen L., 22(4), 846-868.
- Interactive Job Shop Scheduling: An Experiment. Schartner, Andreas, & Pruett, James M. 22(5), 1024-1046.
- An Inventory Model with Planned Shortages and Price Dependent Demand. Burwell, Timothy H., Dave, Dinesh S., Fitzpatrick, Kathy E., & Roy, Melvin R. 22(5), 1187-1192.
- Inventory Positioning/Partitioning for Backorders
  Optimization for a Class of Multi-Echelon
  Inventory Problems. Rogers, David F., &
  Tsubakitani, Shigeru. 22(3), 536-558.
- A Mathematical Programming Approach to Production Decisions in the Emerging Aquaculture Industry. Wilson, Beverley M., Shaftel, Timothy L., & Barefield, Russell M., 22(1), 194-205.
- Mathematical Programming Formulations for the Discriminant Problem: An Old Dog Does New Tricks. Ragsdale, Cliff T., & Stam, Antonie, 22(2), 296-307.
- A Model for the Transportation of Hazardous Waste. Klein, Cerry, M. 22(5), 1091-1108.
- Modelling Survey Response Data and Determining the Optimal Number of Questionnaires.
  Wilson, John G., & Singer, E. Mendel, 22(4), 898-910.
- Multiechelon (R,S) Inventory Model. Sinha, Diptendu, & Matta, Khalil F., 22(3), 484-499.
- A Note on the Effect of Sudden Obsolescence on the Optimal Lot Size. Masters, James M. 22(5), 1180-1186.
- On the Creation of Acceptable Conjoint Analysis Experimental Designs. Steckel, Joel H., DeSarbo, Wayne S., & Mahajan, Vijay, 22(2), 435-442.
- On the Measurement of Perceived Consumer Risk. Havlena, William J., & DeSarbo, Wayne S., 22(4), 927-939.
- Optimal Acquisition of FMS Technology Subject to Technological Progress. Roth, Aleda V., Gaimon, Cheryl, & Krajewski, Lee, 22(2), 308-334.

- Optimal Delivery Time Quotation and Order Sequencing. De, Prabuddha, Ghosh, Jay B., & Wells, Charles, E., 22(2), 379-390.
- Optimal Purchase and Transportation Cost Lot Sizing for a Single Item. Russell, Randolph M., & Krajewski, Lee J., 22(4), 940-952.
- Optimal Work-Rest Schedules with a Set of Fixed-Duration Rest Periods. Bechtold, Stephen E., 22(1), 157-170.
- An Optimization Approach for Sc\* eduling Internal Audits of Divisions. Knechel, W. Robert, & Benson, Harold P., 22(2), 391-405.
- Partitioning Work Centers for Group Technology: Insights from an Analytical Model. Suresh, Nallan C., 22(4), 772-791.
- Pearson-Tukey Three-Point Approximations Versus Monte Carlo Simulation. Pfeifer, Phillip E., Bodily, Samuel E., & Frey, Sherwood C., Jr. 22(1), 74-90.
- Plots of Conditional Wait-Time Intervals Provide Better Information to Queueing System Arrivals. Greenwood, Allen G., 22(3), 473-483.
- A Probabilistic Dealing Strategy. Fraser, Cynthia, & Ginter, James, 22(1), 91-103.
- Producer's and Consumer's Risk When Proportion Defective Is a Random Variable. Graves, Samuel B., & Ringuest, Jeffrey L., 22(4), 753-771.
- Production System Development for Expert Systems
  Using a Recursive Partitioning Induction
  Approach: An Application to Mortgage,
  Commercial, and Consumer Lending. Cronan,
  Timothy P., Glorfeld, Louis W., & Perry,
  Larry G., 22(4), 812-845.
- Refining Two-Group Multivariable Classification Models Using Univariate Optimal Discriminant Analysis. Yarnold, Paul R., & Soltysik, Robert C. 22(5), 1158-1164.
- Relative Performance Evaluation and Risk Taking in Delegated Investment Decisions. Chow, Chee W., Haddad, Kamal M., 22(3), 583-593.
- The Selection of Computer-Aided Software Engineering Tools: A Multi-Criteria Decision Making Approach. Subramanian, Girish H., & Gershon, Mark. 22(5), 1109-1123.
- Sensitivity Analysis in Linear Programming Models with Common Inputs. Camm, Jeffrey D., & Burwell, Timothy H., 22(3), 512-518.
- Separation Failure in Linear Programming Discriminant Models. Rubin, Paul A., 22(3), 519-535.
- Sequencing Rules for Productivity Improvements in Underground Coal Mining. Bernardo, John J., & Gillenwater, Edward, 22(3), 620-634.
- A Service Quality Process Map for Credit Card Processing. Collier, David A., 22(2), 406-420.

- A Simple Algorithm for the Mathematical Programming Approach to Joint Cost Allocation for Decision Making (Demand-Adjusted-Sales-Value Algorithm). Cheng, C. S. Agnes, 22(3), 500-511.
- A Simulation Study of Sequencing Rules in a Kanban-Controlled Flow Shop. Berkley, Blair J., & Kiran, Ali S., 22(3), 559-582.
- Some Comments on the Validity of EOQ Formula under Inflationary Conditions. Mehra, Satish, Agrawal, Surendra P., & Rajagopalan, M., 22(1), 206-212.
- Standard Container Size Discounts and the Single-Period Inventory Problem. Pantumsinchai, Pricha, & Knowles, Thomas W., 22(3), 612-619.
- A Study of Labor Allocation Strategies in Cellular Manufacturing. Russell, Roberta S., Huang, Philip Y., & Leu, Yow-yuh, 22(3), 594-611.
- Test-Retest Reliability of the End-User Computing Satisfaction Instrument. Torkzadeh, Gholamreza, & Doll, William J., 22(1), 26-37.

- Test-Retest Reliability of User Information Satisfaction: A Comment on Galletta and Lederer's Paper. Hawk, Stephen R., & Raj, Nambury S. 22(5), 1165-1170.
- Theoretical Distributions of Optima for Univariate Discrimination of Random Data. Yarnold, Paul R., & Soltysik, Robert C., 22(4), 739-752.
- A Theory of Production Competence Revisited. Vickery, Shawnee K., 22(3), 635-643.
- Tour Scheduling and Task Assignment of a Heterogeneous Work Force: A Heuristic Approach. Loucks, John S., & Jacobs, F. Robert, 22(4), 719-738.
- A Tripartite Approach to Information Systems Development. Bullers, William I., Jr. 22(1), 120-135.
- Use and Abuse of Weights in Multiple Objective Decision Support Models. Schenkerman, Stan, 22(2), 369-378.
- When Restrictive Constraints Are Nonbinding: Illustrations and Implications. Martinich, Joseph S., 22(1), 53-59.

## **VOLUME 22 SUBJECT INDEX**

Academic Administration, 1142-1157

Accounting Theory, 678-682

Auditing, 391-405

Bayesian Procedures, 898-910

Brand Choice, 91-103

Computer Applications, 120-135, 354-368, 812-845, 1124-1141

Consumer Behavior, 421-434, 927-939

Continuous Time Models, 940-952

Cost Allocations, 500-511

Decision Analysis, 74-90, 206-212, 656-662, 678-682, 918-926, 1109-1123

Decision Processes, 1-25, 53-59, 266-279, 435-442, 644-655, 812-845, 869-897, 918-926

Decision Support Models, 369-378

Decision Support Systems, 1-25, 219-240, 266-279, 406-420, 644-655, 812-845, 846-868, 918-926

Decision Theory, 60-73

Discrete Programming, 739-752, 1008-1023

Distribution, 536-558

Dynamic Programming, 1091-1108

Financial Analysis, 812-845

Fuzzy Sets, 1091-1108

Group Decision Processes, 266-279

Heuristics, 136-156, 683-699, 700-718, 719-738, 985-1007, 1158-1164

Human Information Processing, 219-240, 266-279, 644-655, 846-868, 918-926

Information Economics, 869-897

Information Management, 104-119, 241-265, 455-472, 869-897, 911-917, 953-984, 1165-1170

Information Processing, 120-135, 869-897, 1047-1072

Inventory Management, 136-156, 206-212, 484-499, 536-558, 612-619, 940-952, 1171-1179, 1180-1186, 1187-1191

Linear Programming, 280-295, 296-307, 512-518, 519-535, 683-699, 792-810

Linear Statistical Models, 213-217, 296-307, 406-420, 739-752, 1008-1023, 1158-1164

Logistics and Distribution, 484-499, 940-952, 1171-1179

Location Models, 38-52

Management Control, 335-353, 583-593

Management Information Systems, 26-37, 120-135, 219-240, 241-265, 443-453, 455-472, 911-917, 953-984, 1109-1123, 1165-1170

Manpower Planning, 700-718

Marketing Management, 91-103

Marketing Research, 435-442, 898-910, 927-939 Market Segmentation, 663-677, 1124-1141 Markov Processes, 171-180

Material Requirements Planning, 136-156, 280-295

Mathematical Programming, 38-52, 53-59, 194-205, 369-378, 379-390, 391-405, 536-558, 663-677, 719-738, 739-752, 792-810, 985-1007, 1008-1023, 1158-1164

Minimum Discrimination Information, 663-677

Multidimensional Scaling, 927-939

Multiple Criteria Decision Making, 369-378

Networks, 1091-1108

Optimal Control, 308-334

Organizational Behavior, 583-593, 1047-1072 Performance Evaluation, 335-353, 583-593, 911-917, 1142-1157

Personnel Management, 171-180

Planning and Control, 104-119, 391-405, 898-910

Portfolio Theory, 181-193

Pricing, 91-103, 1187-1191

Product Design and Performance, 435-442

Product Management, 91-103, 181-193

Production/Operations Management, 136-156, 157-170, 194-205, 280-295, 308-334, 335-353, 379-390, 473-483, 536-558, 559-582, 594-611, 612-619, 620-634, 635-643, 656-662, 753-771, 772-791, 940-952, 1180-1186

Project Management, 1109-1123

Quality Control, 406-420, 753-771

Questionnaire Analysis, 1073-1090, 1165-1170

Queueing Systems, 473-483, 772-791

Resource Allocation, 1142-1157

Risk Analysis, 74-90

Risk and Uncertainty, 583-593

Sampling and Survey Methods, 1073-1090 Scaling Methods, 26-37, 443-453, 1165-1170

Scheduling, 157-170, 194-205, 379-390, 391-405, 594-611, 620-634, 683-699, 700-718, 719-738, 772-791, 985-1007, 1024-1045

Sensitivity Analysis, 53-59, 512-518, 792-810Service Operations Management, 406-420, 421-434, 473-483, 683-699, 719-738, 985-1007

Simulation, 74-90, 559-582, 772-791, 1024-1045, 1047-1072

Statistics, 635-643

Statistical Information Theory, 663-677

Statistical Methodology, 927-939

Statistical Techniques, 213-217, 296-307, 519-535, 656-662, 739-752, 898-910, 1008-1023, 1073-1090, 1124-1141

Stochastic Processes, 171-180, 473-483

Strategy and Policy, 53-59, 308-334, 455-472, 635-643, 953-984

Weighting Method, 369-378

